

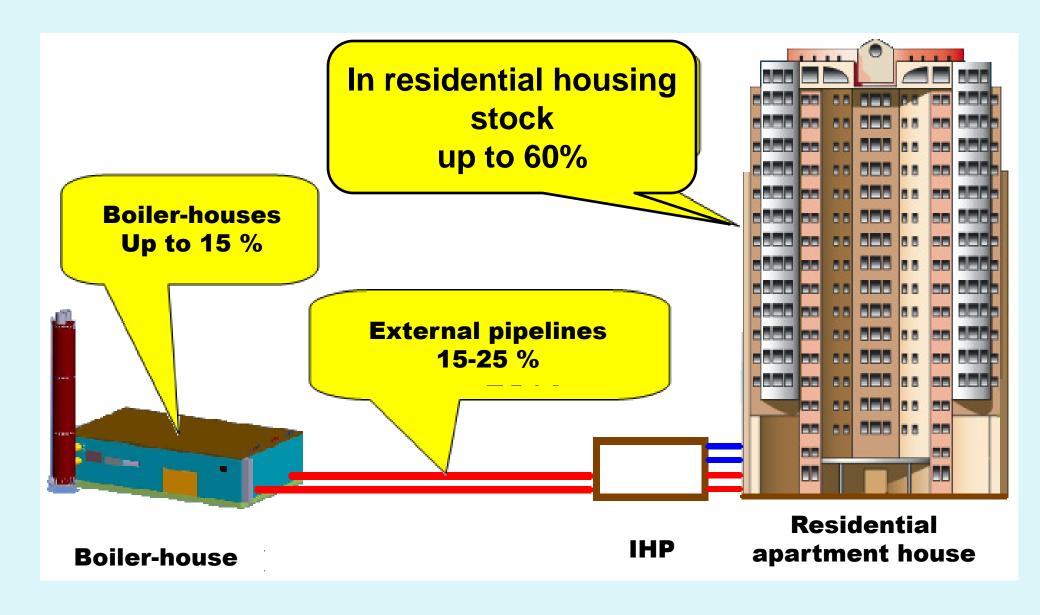
MINISTRY OF REGIONAL DEVELOPMENT, CONSTRUCTION, HOUSING AND COMMUNAL ECONOMY OF UKRAINE

ENERGY EFFICIENCY IN HOUSING SECTOR OF UKRAINE

Natalia Oliinyk

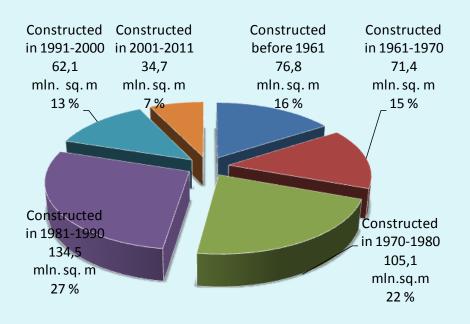


Heat energy loss





Characteristics of the housing stock (by year)





□ Areas of priority:

- Construction of new energy efficient housing
- Retrofitting of old housing stock

■ Near-term outlook:

- ✓ Complete sanation (renovation) of the existing housing stock
- ✓ Gradual transition to "passive" houses.

Following recommendations of Directive 2010/31/EU, Ukraine has adopted and put into force the following documents:



- □ ГСТУ Б A.2.2-8:2010 "Designing. Section "Energy efficiency" in documentation designed for construction."
- □ **CH B.1.2-11:2008** "Basic requirements for buildings and facilities. Saving energy"
- □ **CH B.2.6-31:2006** "Thermal insulation of buildings"
- □ **CH B.2.5-67:2013** "Heating, ventilation and air conditioning."

FCTY – Industry-specified Standard of Ukraine

FCH – State Construction Norms

Following recommendations of Directive 2010/31/EU, Ukraine has developed draft of the law:



"On energy efficiency of residential and public buildings"

- ✓ Ensure conditions for rational use of energy resources in residential and public buildings;
- ✓ Adjust relations in area of the resource supply and consumption in buildings, promote the use of alternative energy sources for creation of optimal microclimatic conditions in premises;
- ✓ Create investment climate favorable for the development of the construction industry and regional economics to ensure energy efficiency of buildings.

Following recommendations of Directive 2010/31/EU, Ukraine has adopted and put into force the following documents:



System of norms and standards effective in the field of energy efficiency of buildings:

- ✓ **ГСТУ-Н Б A.2.2-5:2007** (Energy Performance Certificate)
- ✓ **ГСТУ Б В EN 7730:2012** (Ergonomics of thermal environments)
- ✓ **ГСТУ Б В EN15261:2012** (Calculated parameters of microclimate)
- √ ГСТУ Б В EN 13790:2013 (Energy rating)
- ✓ **ГСТУ Б В EN15217:2012** (Energy certification)
- ✓ **ГСТУ Б В EN 13790:2012** (Calculation of energy consumption)

Drafts of the standards and norms

- □ ГСТУ-Н Б A.2.2-xxx:201x "Guideline on method for energy assessment and energy certification of buildings";
- □ ГСТУ H Б A.2.2-xxx:201x "Energy efficiency in buildings. National method of energy consumption calculation for heating, cooling, ventilation, lighting and hot water supply."

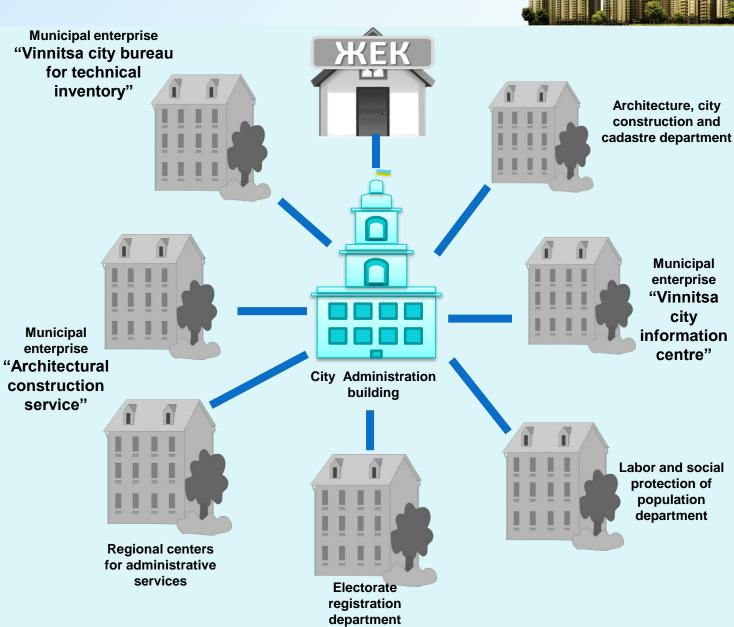
Infrastructure

Vinnitsa Municipality

Danty Muni

Networked by optical fibre:

- √ 9 buildings;
- √ 34 units of the Municipality and 19 municipal enterprises;
- √ 1200 personal computers



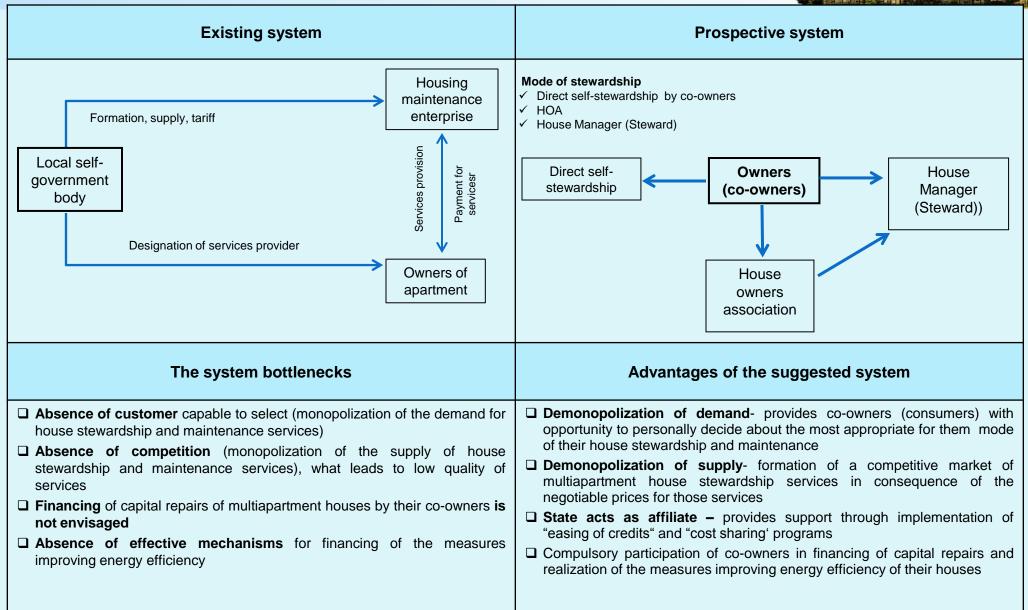
E-Governance Technologies

- □ Internal portal
- ✓ It is used to save working documentation
 - ☐ Consists of:
- ✓ Sites of the departments
- ✓ Electronic archive
- ✓ Data base
- √ Reports centre
- ✓ Informational services



HOUSING STOCK IN UKRAINE





Improvement of housing legislation

Draft Law of Ukraine "On peculiarities of ownership in multiapartment house"

The option in taking of common decisions

Opening of the market for new entities

Policy for provision of services

and "On amendments to some legal acts to improve relations in the sphere of housing and communal services."

FREE SELECTION OF A STEWARDSHIP MODE



Stewardship by apartment house co-owners



Direct:

by the co-owners
through taking decisions
by a majority vote
(so called "nominal
association" without
registration of a legal
entity)



Through HOA:

creation of HOA registered as a legal entity and taking decisions by its statutory bodies

Stewardship services provided by professional House manager



Through a professional House manager:

selection and hiring of a House manager by the co-owners or designation of a House manager by body of local self-government in case if the co-owners failed to decide about the mode of stewardship

- ✓ In case if co-owners during one year failed to decide about the mode for their house stewardship, BLSG shall designate them House manager.
- ✓ Co-owners may reject the designated House manager and take decision about the mode of their house managment and maintenance.

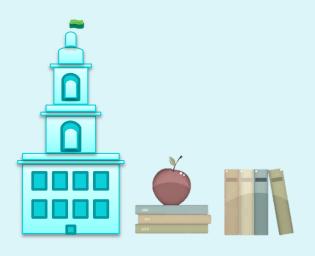
AWARENESS CAMPAIGN



- ☐ Provide citizens with legal information required for understanding of their own rights and responsibilities in management of common property in apartment house
- ☐ Raise awareness of mass media, state officials and public servants, mayors and activists of the co-owners associations



State officials



Mayors and HOAs' activists



Mass Media

IMPROVEMENT OF HOUSE ENERGY EFFICIENCY



STATE

- ✓ Legislation
- ✓ Social protection
- ✓ Supporting programs



Credit resources

ESCO mechanism

- ✓ Introduction of new technologies
- ✓ Works for improvement of energy saving



Co-owners

- ✓ Taking decisions
- ✓ Initial contribution



THANK YOU FOR YOUR ATTENTION!

Natalia Oliinyk

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